USCMS Engineer Status Report for August 2003

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September 19, 2003

1 Work Performed This Month

COBRA Visualisation

o) COBRA (Mantis) visualisation tests of its unstable behaviour: The problem with loading plugins was found - unresolved symbols coming from not linking with GLU library. Corrected in IGUANA.

ORCA Visualisation

o) ORCA visualisation User guide: a chapter on Visualisation added to the ORCA User Guide;

o) Moved to the new numbering scheme for Muon DT segments;

o) Removed obsolete volumes from G3 detector visualisation;

o) Tested and released (see release notes).

IGUANA

o) Zoom with fixed steps and zoom buttons added to the IGUANA 3D browser.

o) Tooltips and more detailed "What's this" information added to the buttons of the IGUANA 3D browser.

o) Help service with bells and whistles (appears as a separate menu) added with:

oo) "About" information menu for current version which is retrieved automatically from IGUANA BuildFile (SCRAM defines);

oo) menu with url to IGUANA web site with;

oo) "reporting a bug" menu.

o) New GUI for the session start-up.

o) Other minor improvements of the Menu sertvices: corrected separators and tire-offs, icons added, message boxes where appropriate.

o) Testing and interation of animation (for PR) implemented by a summer student.

2   Plans For Next Month

o) Pull Visualisation subsystems out of multiple CMS projects and create one CMS specific project: IGUANACMS;

o) Integrate basic ORCA and OSCAR core visualisations;